APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/712,238	11/13/2003	Kwabena A. Mireku	RSW920030146US1	9484

7590 06/02/2006	**EXAMINER**
Gerald R. Woods	LUDWIG, MATTHEW J

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ART UNIT	PAPER NUMBER
2178	

DATE MAILED: 06/02/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
Office Action Summary	10/712,238	MIREKU, KWABENA A.
	Examiner	Art Unit	
	Matthew J. Ludwig	2178	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>13 November 2003</u>.

2a)☐ This action is **FINAL.** 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-18</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-7, 9, 10 and 13-18</u> is/are rejected.

7)☒ Claim(s) <u>8, 11, 12</u> is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>11/13/03</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>11/13/03</u>.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

DETAILED ACTION

1.   This action is in response to the application filed 11/13/2003.

2.   Claims 1-18 are pending in the case. Claims 1, 9, 13, 15, 17, and 18, are independent

claims.

Claim Rejections - 35 USC § 102

3.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4.   **Claims 1-7, 9, 10, and 13-18, are rejected under 35 U.S.C. 102(b) as being**

anticipated by Kazuaki Maeda, 'Development of Soccer Agents with Object Migration',

Proceedings of 1999 IEEE International Conference, October 1999, Vol. 6, pages 750-755.

In reference to independent claim 1, Maeda teaches:

Objects that the user wishes to serialize are placed into a container, called abstract data

(compare to *"creating, for an object to be serialized to a persistent store, a graph structure..."*).

See Maeda, page 753.

Everything (objects, classes, methods, data, etc.) is stored and wrapped in an "envelope".

The envelope is a basic storage unit, and it can have a name to identify it as well as some

attributes to characterize it (compare to *"writing the graph structure to the persistent store as a*

markup language document"). See Maeda, page 754.

In reference to dependent claim 2, Maeda teaches:

Yare supports more than one data format for serialization; for example, XML and Java serialized data format. See Maeda, page 754.

In reference to dependent claim 3, Maeda teaches:

Yare supports more than one data format for serialization; for example, XML and Java serialized data format. See Maeda, page 754.

In reference to dependent claim 4, Maeda teaches:

Figure 2 shows a class diagram of Kasuga-bito II in UML notation. Broadly speaking, Kasuga-bito II is composed of the following five classes: Entity class, NetworkIF class, Analyzer class, Controller class, DecisionMaker class, Position class, SpecialSkill object, and CommonSkill class.

In reference to dependent claim 5, Maeda teaches:

A hierarchical structure illustrating a class diagram, which also represents objects of these subclasses that are updated according to visual information from a soccer server. Yare supports more than one data format for serialization; for example, XML and Java serialized data format. See Maeda, pages 751-754.

In reference to dependent claim 6, Maeda teaches:

Everything (objects, classes, methods, data, etc.) is stored and wrapped in an envelope. The envelope is a basic storage unit, and it can have a name to identify it as well as some attributes to characterize it. See Maeda, pages 754.

In reference to dependent claim 7, Maeda teaches:

Moreover, it supports the reconstruction of the objects from a byte stream. Such reconstruction is called deserialization. The writeObject method in the class ObjectOutputStream is responsible for writing the state of the object. See Maeda, page 752.

In reference to independent claim 9, Maeda teaches:

Objects that the user wishes to serialize are placed into a container, called abstract data (compare to *"creating, for an object to be serialized to a persistent store, a graph structure..."*). See Maeda, page 753.

Everything (objects, classes, methods, data, etc.) is stored and wrapped in an "envelope". The envelope is a basic storage unit, and it can have a name to identify it as well as some attributes to characterize it (compare to *"writing the graph structure to the persistent store as a markup language document"*). See Maeda, page 754.

Moreover, it supports the reconstruction of the objects from a byte stream. Such reconstruction is called deserialization. The writeObject method in the class ObjectOutputStream is responsible for writing the state of the object. See Maeda, page 752.

In reference to dependent claim 10, Maeda teaches:

A hierarchical structure illustrating a class diagram, which also represents objects of these subclasses that are updated according to visual information from a soccer server. Yare supports more than one data format for serialization; for example, XML and Java serialized data format. See Maeda, pages 751-754.

In reference to claims 13, 14, 15, 16, 17, and 18, the claims reflect similar language to those used for performing the methods as claimed in 1-7, and 10. Therefore, the claims are rejected under similar rationale.

Allowable Subject Matter

5.   Claims 8, 11, and 12, are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew J. Ludwig whose telephone number is 571-272-4127. The examiner can normally be reached on 9:00am-6:00pm.
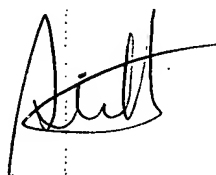
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on 571-272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

ML
May 23, 2006

STEPHEN HONG
SUPERVISORY PATENT EXAMINER